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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/027,178	12/21/2001	Thomas N. Turba	RA 5408 (33012/326/101)	9724
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UNISYS CORPORATION			LY, ANH	
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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/027,178

Applicant(s)

TURBA ET AL.

Examiner

Anh Ly

Art Unit

2162

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 April 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. This Office Action is response to Applicants' communications filed on 04/13/2005.
2. Claims 21-25 are added.
3. Claims 1-25 are pending in this application.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1-25 are rejected under 35 U.S.C. 102(e) as being anticipated by US Patent No.: 6,185,567 issued to Ratnaraj et al. (hereinafter Ratnaraj).

With respect to claim 1, Ratnaraj teaches a user terminal coupled to said legacy data base management system via said publically accessible digital data communication network (a user terminal or remote client terminal which generates a service request for access to a database management system consisting of a plurality of variety data sources having a variety of data formats coupled to said user terminal over the Internet network: see figs. 1 and 3, item 10, 38 and 40, col. 4, lines 1-67);

a service request generated by said user terminal transferred to said legacy data base management system for honoring (Internet user sends a request for searching and analysis against the database: col. 3, lines 35-45); and

a facility responsively coupled to said legacy data base management system which saves the current computational data as a table for later use (the data sources of DBMS stored as relations or datasets from which the Internet accesses the database having web server over the network: col. 5, lines 2-10 and lines 60-67 and col. 6, lines 1-16 and also see fig. 3, col. 25-52).

With respect to claim 2, Ratnaraj teaches wherein said facility further comprises a repository (data stored on secondary storages such as disks or tapes: col. 5, lines 16-22 and lines 65-68 and col. 6, lines 1-16).

With respect to claim 3, Ratnaraj teaches wherein said service request further comprises a plurality of sequential text lines executable by said legacy data base management system (format of raw data of DBMS: col. 5, lines 62-67 and col. 6, lines 1-15).

Art Unit: 2162

With respect to claim 4, Ratnaraj teaches wherein said service request is generated by said user terminal by completing a screen presented by said legacy data base management system (col. 5, lines 40-55).

With respect to claim 5, Ratnaraj teaches wherein said screen includes a plurality of sources and a plurality of destinations for said table (col. 5, lines 1-10).

With respect to claim 6, Ratnaraj teaches a user terminal which generates a service request (a user terminal or remote client terminal which generates a service request for access to a database management system consisting of a plurality of variety data sources having a variety of data formats coupled to said user terminal over the Internet network: see figs. 1 and 3, item 10, 38 and 40, col. 4, lines 1-67);

a publically accessible digital data communication network responsively coupled to said user terminal (The Internet network, see fig. 3);

a legacy data base management system having an internal format different from XML responsively coupled to said publically accessible digital data communication network which receives said service request via said publically accessible digital data communication network (raw data having a variety of data formats from a plurality of data sources having data formats such as ASCII, plain text or binary format being different from XML format: col. 5, lines 60-67 and col. 6, lines 1-16); and

a facility responsively coupled to said legacy data base management system for storing the computational state of said legacy data base management

Art Unit: 2162

system as a table for future use (the data sources of DBMS stored as relations or datasets from which the Internet accesses the database having web server over the network: col. 5, lines 2-10 and lines 60-67 and col. 6, lines 1-16 and also see fig. 3, col. 25-52).

With respect to claim 7, Ratnaraj teaches publically accessible digital data communication system further comprises the Internet (fig. 3, col. 7, lines 25-28).

With respect to claim 8, Ratnaraj teaches a repository within said data base management system (data stored on secondary storages such as disks or tapes: col. 5, lines 16-22 and lines 65-68 and col. 6, lines 1-16).

With respect to claim 9, Ratnaraj teaches wherein said future use further comprises honoring of a subsequent service request (col. 10, lines 30-40).

With respect to claim 10, Ratnaraj teaches wherein said future use further comprises completion of honoring said service request (col. 2, lines 32-45 and col. 8, lines 20-40).

With respect to claim 11, Ratnaraj teaches transferring a service request from said user terminal to said legacy data base management system via said publically accessible digital data communication network (Internet user sends a request for searching and analysis against the database: col. 3, lines 35-45, see fig. 1; a user terminal or remote client terminal which generates a service request for access to a database management system consisting of a plurality of variety data sources having a variety of data formats coupled to said user terminal over the Internet network: see figs. 1 and 3, item 10, 38 and 40, col. 4, lines 1-67);

Art Unit: 2162

converting said service request to said incompatible input protocol
(conversion algorithm as shown in fig. 2: converting raw data to a common data
converting to another protocol: col. 9, lines 25-35);

commencing the honoring of said service request by said legacy data
base management system to produce an interim computational state (common
data format: col. 5, lines 1-5) and

storing said interim computational state for future use (common data
format is stored in an integrated database for future use: fig. 1, item 34).

With respect to claim 12, Ratnaraj teaches wherein said storing said
interim computational state within a repository (data stored on secondary
storages such as disks or tapes: col. 5, lines 16-22 and lines 65-68 and col. 6,
lines 1-16).

With respect to claim 13, Ratnaraj teaches wherein said storing the step is
initiated from a screen (from local user terminal: fig. 1, item 38, retrieving data via
terminal over Internet network: col. 5, lines 50-58).

With respect to claim 14, Ratnaraj teaches wherein said screen provides
for selection of destination (see figs. 3 and 4, col. 8, lines 40-64 and col. 9, lines
16-30).

With respect to claim 15, Ratnaraj teaches wherein said publically
accessible digital data communication network further comprises the Internet
(see figs. 1, 3 & 4, col. 5, lines 50-8 and col. 8, lines 40-50).

With respect to claim 16, Ratnaraj teaches means for generating a service
request (see fig. 1, item 38, user terminal);

Art Unit: 2162

transferring means responsively coupled to said generating means for transferring said service request via a publically accessible digital data communication network (Internet user sends a request for searching and analysis against the database: col. 3, lines 35-45, see fig. 1; a user terminal or remote client terminal which generates a service request for access to a database management system consisting of a plurality of variety data sources having a variety of data formats coupled to said user terminal over the Internet network: see figs. 1 and 3, item 10, 38 and 40, col. 4, lines 1-67);

providing means responsively coupled to said transferring means for providing legacy data base management functions (Internet user sends a request for searching and analysis against the database: col. 3, lines 35-45, see fig. 1; a user terminal or remote client terminal which generates a service request for access to a database management system consisting of a plurality of variety data sources having a variety of data formats coupled to said user terminal over the Internet network: see figs. 1 and 3, item 10, 38 and 40, col. 4, lines 1-67);

converting means responsively coupled to said providing means for converting said service request into a compatible with said providing means (conversion algorithm as shown in fig. 2: converting raw data to a common data converting to another protocol: col. 9, lines 25-35, fig. 1); and

storing means responsively coupled to said providing means for storing the computational state of said providing means (common data format is stored in an integrated database for future use: fig. 1, item 34).

Art Unit: 2162

With respect to claim 17, Ratnaraj teaches wherein said storing means further comprises a repository (data stored on secondary storages such as disks or tapes: col. 5, lines 16-22 and lines 65-68 and col. 6, lines 1-16).

With respect to claim 18, Ratnaraj teaches wherein said converting means further comprises means for defining a format of said service request (converting into a common data format and is stored in an integrated database: see fig. 1, item 34, col. 5, lines 1-5).

With respect to claim 19, Ratnaraj teaches wherein said transmitting means further comprises the Internet (see figs. 1, 3 & 4, col. 5, lines 50-8 and col. 8, lines 40-50).

With respect to claim 20, Ratnaraj teaches wherein said storing means stores said computational state for future user (an integrated database, fig. 1).

With respect to claim 21, Ratnaraj teaches a user terminal, which generates said service request in accordance with a first protocol (local user terminal or remote client terminal issuing the service request to the databases string over the Internet network: fig. 1)

a publicly accessible digital data communication network responsively coupled to said user terminal (see fig. 1: Internet network);

a legacy data base management system which honors said service request by executing a sequence of command language script in accordance with a second protocol responsively coupled to said user terminal via said publicly accessible digital data communication network which receives said

Art Unit: 2162

service request via said publically accessible digital data communication network (see fig. 1 Internet network);

a converter responsively coupled to said legacy data base management system which converts said (converting algorithm in fig. 1) and

a facility responsively coupled to said legacy data base management system for storing the computational state of said legacy data base management system as a table for future use during execution of said sequence of command language script (using CGI script command language: see fig. 3, col. 7, lines 24-52 and col. 9, lines 42-64).

With respect to claim 22, Ratnaraj teaches wherein said facility further comprises a repository within said data base management system (data stored on secondary storages such as disks or tapes: col. 5, lines 16-22 and lines 65-68 and col. 6, lines 1-16).

With respect to claim 23, Ratnaraj teaches wherein said publicly accessible digital data communication system further comprises the Internet (see figs. 1, 3 & 4, col. 5, lines 50-8 and col. 8, lines 40-50).

With respect to claim 24, Ratnaraj teaches wherein said future use further comprises honoring of a subsequent service request (col. 10, lines 26-40).


With respect to claim 25, Ratnaraj teaches wherein said future use further comprises completion of honoring said service request (col. 8, lines 22-38 and col. 10, lines 40-56).


Art Unit: 2162

Contact Information

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anh Ly whose telephone number is (571) 272-4039 or via E-Mail: ANH.LY@USPTO.GOV or fax to (571) 273-4039. The examiner can normally be reached on TUESDAY – THURSDAY from 8:30 AM – 3:30 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene, can be reached on (571) 272-4107 or **Primary Examiner Jean Corrielus (571) 272-4032.**

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see **<http://pair-direct.uspto.gov>**. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). Any response to this action should be mailed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, or faxed to: Central Fax Center **(571) 273-8300**

ANH LY 
JUL. 5th, 2005


JEAN M. CORRIELUS
PRIMARY EXAMINER